00h20 05h560

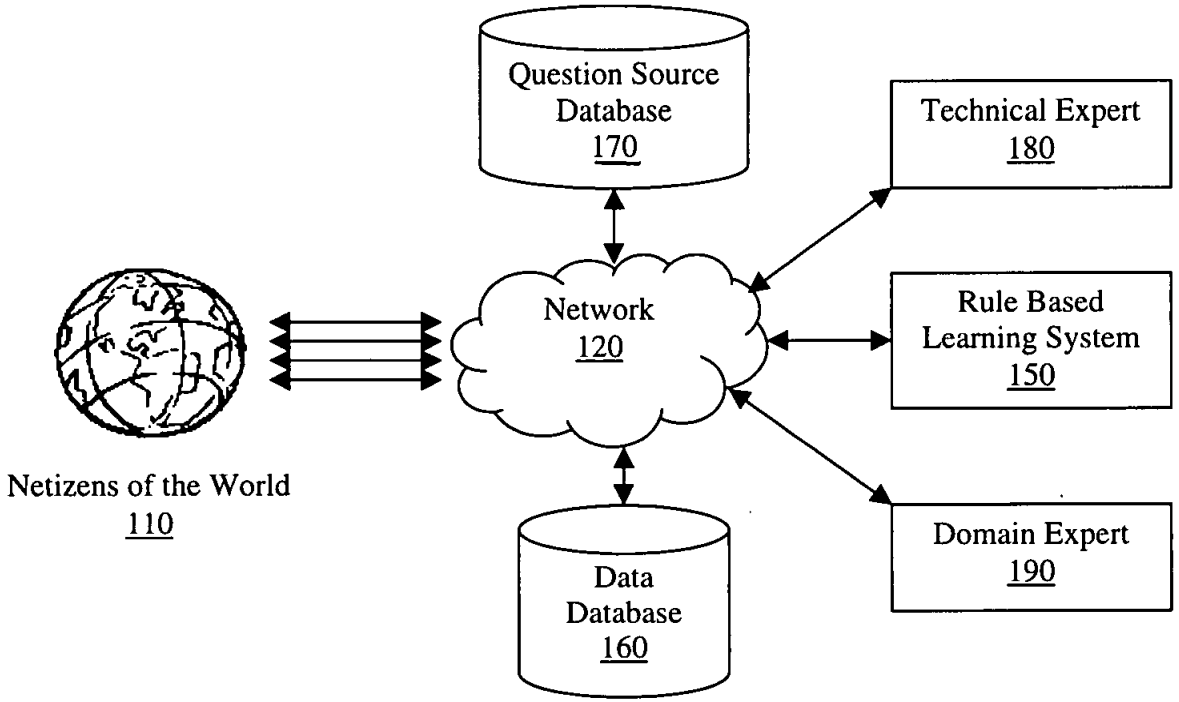

Fig. 1

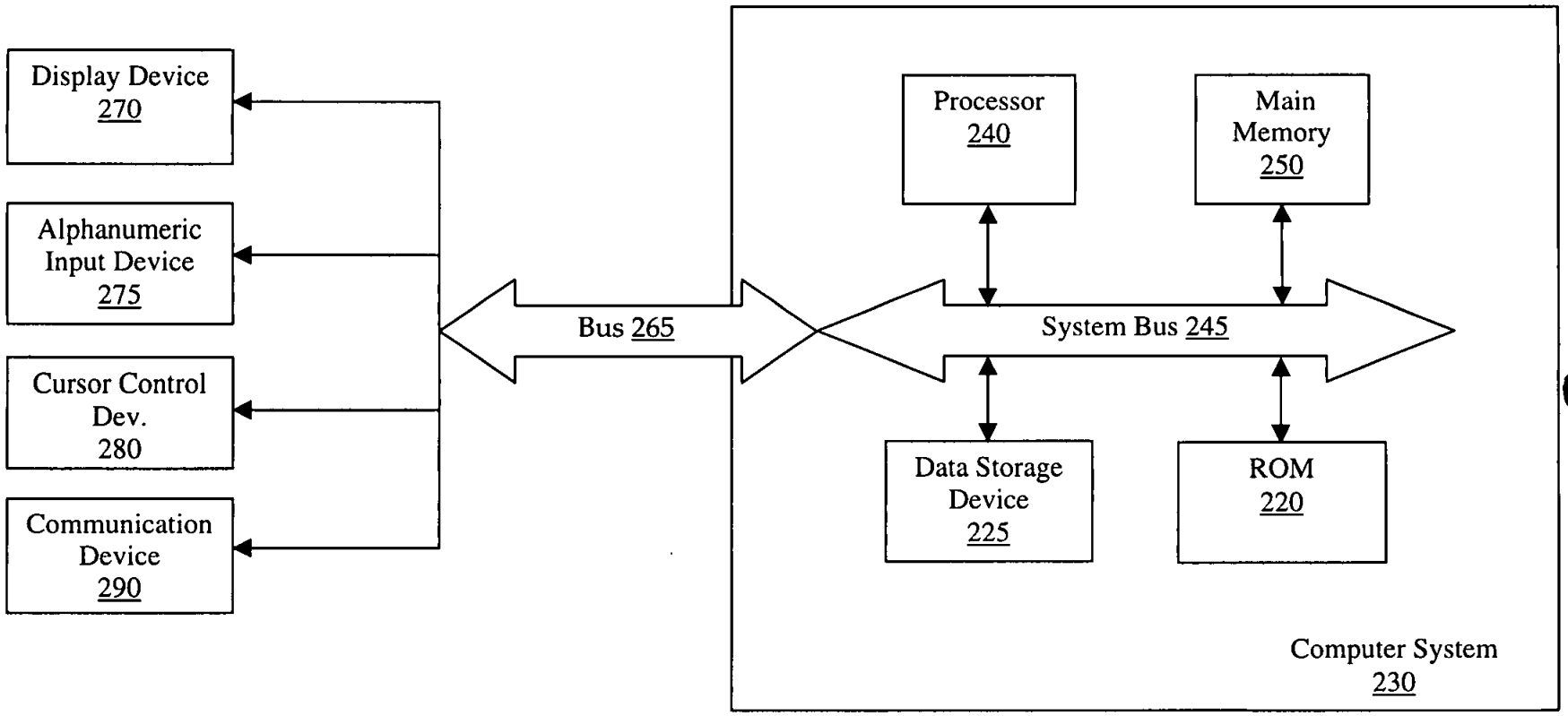
Display Device
270
Alphanumeric
Input Device
275
Cursor Control
Dev.
280
Communication
Device
290
Bus 265
Processor
240
Main
Memory
250
System Bus 245
Data Storage
Device
225
ROM
220
Computer System
230

Fig. 2

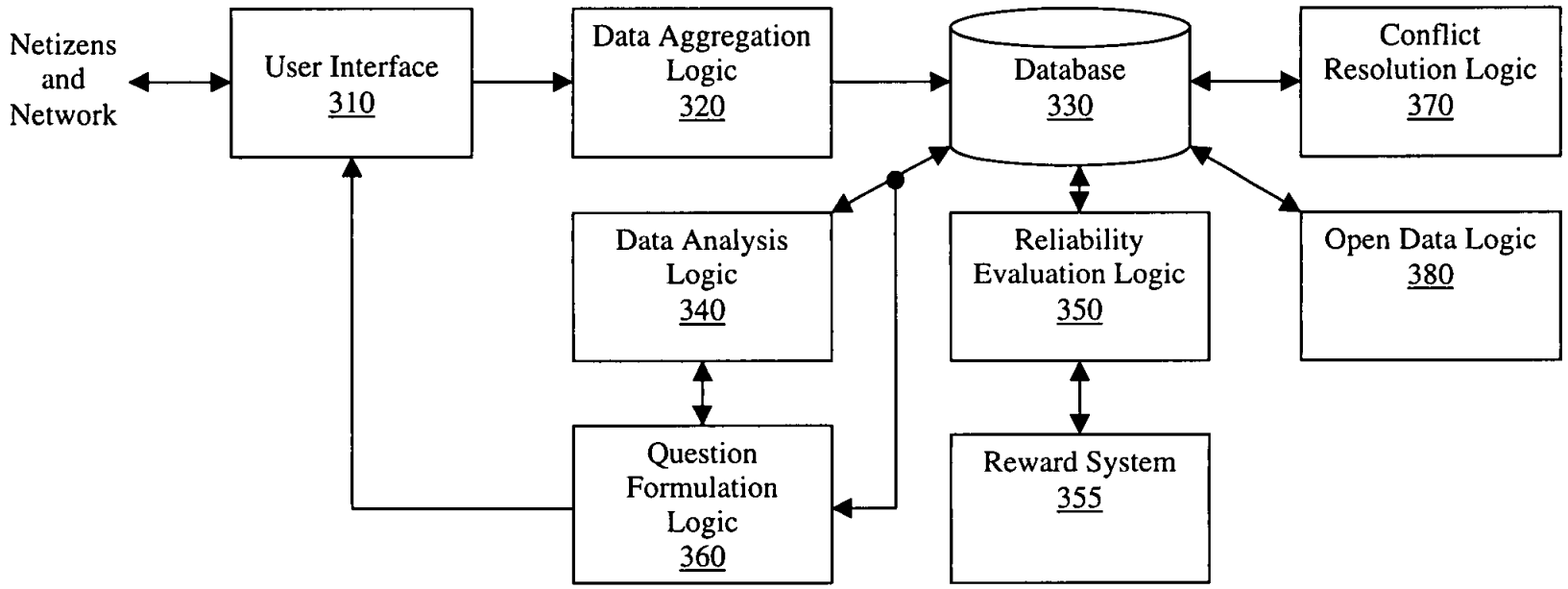
Netizens and Network
User Interface 310
Data Aggregation Logic 320
Database 330
Conflict Resolution Logic 370
Data Analysis Logic 340
Reliability Evaluation Logic 350
Open Data Logic 380
Question Formulation Logic 360
Reward System 355

Fig. 3

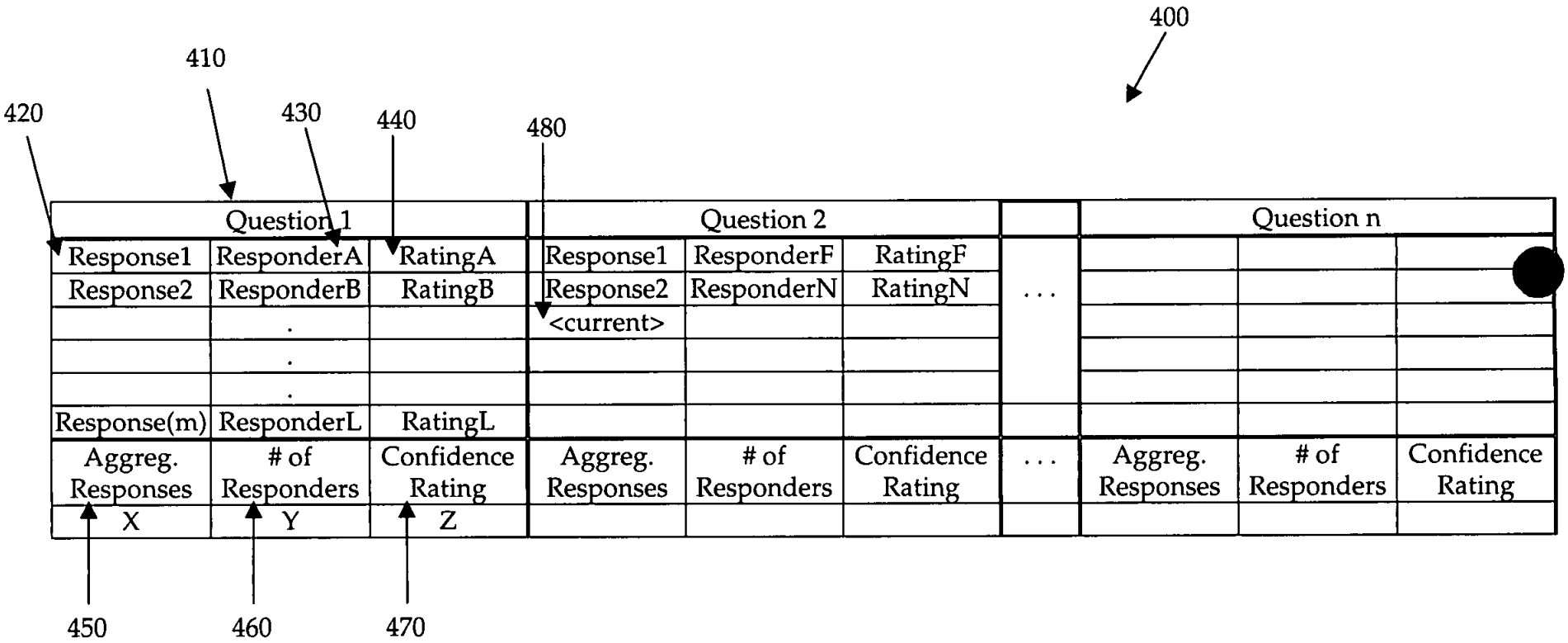
400
410
420
430
440
480
Question 1
Question 2
Question n
Response1
ResponderA
RatingA
Response2
ResponderB
RatingB
Response(m)
ResponderL
RatingL
Response1
ResponderF
RatingF
Response2
ResponderN
RatingN
<current>
Aggreg. Responses
# of Responders
Confidence Rating
X
Y
Z
450
460
470

Fig. 4

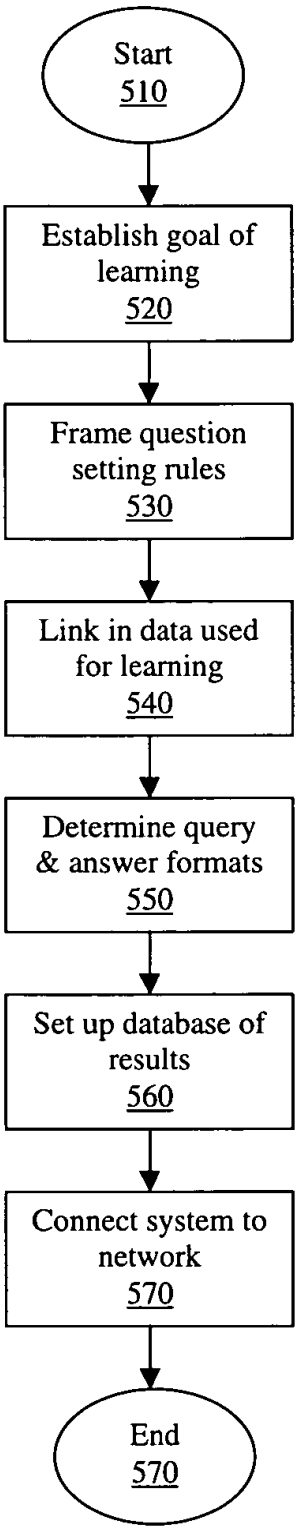
Start
510
Establish goal of learning
520
Frame question setting rules
530
Link in data used for learning
540
Determine query & answer formats
550
Set up database of results
560
Connect system to network
570
End
570

Fig. 5

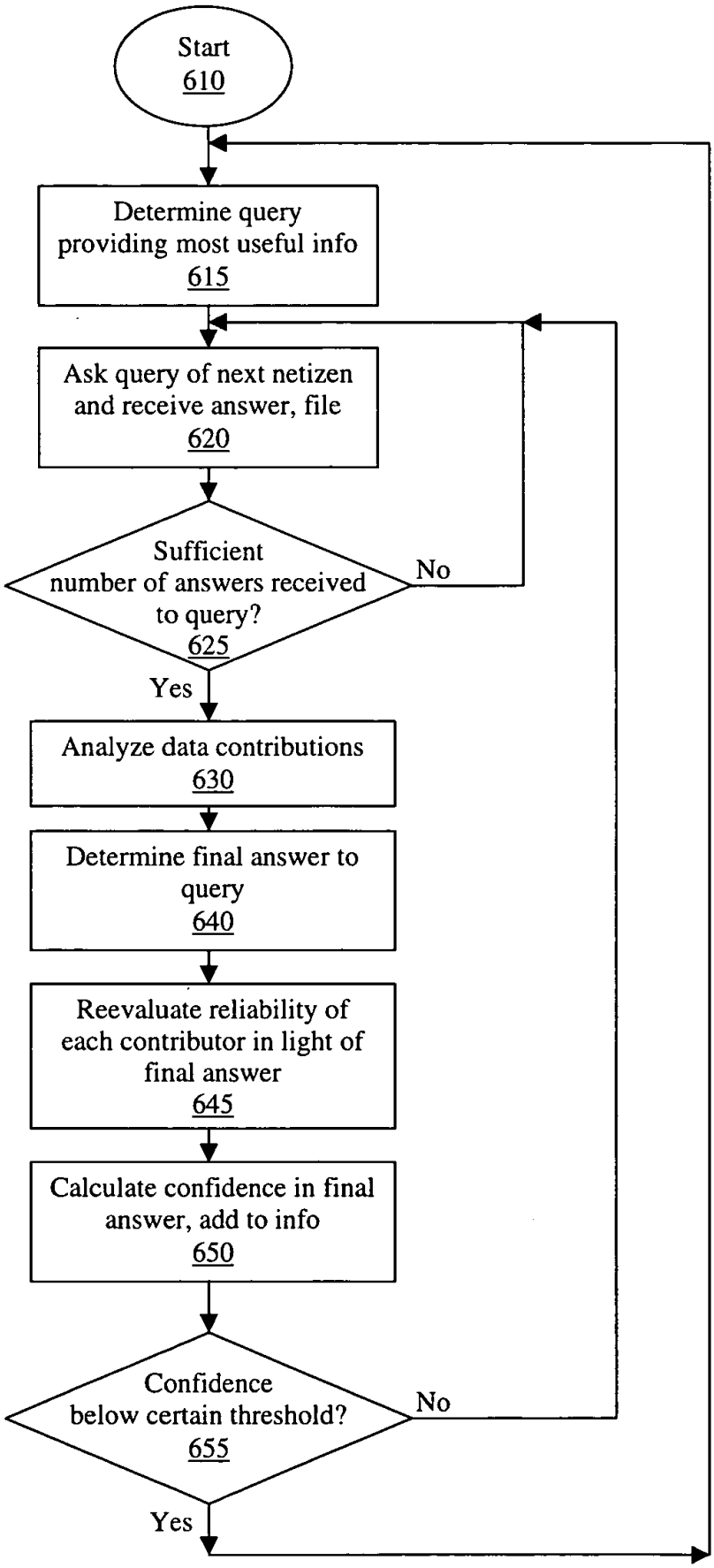
Start
610
Determine query providing most useful info
615
Ask query of next netizen and receive answer, file
620
Sufficient number of answers received to query?
625
No
Yes
Analyze data contributions
630
Determine final answer to query
640
Reevaluate reliability of each contributor in light of final answer
645
Calculate confidence in final answer, add to info
650
Confidence below certain threshold?
655
No
Yes

Fig. 6

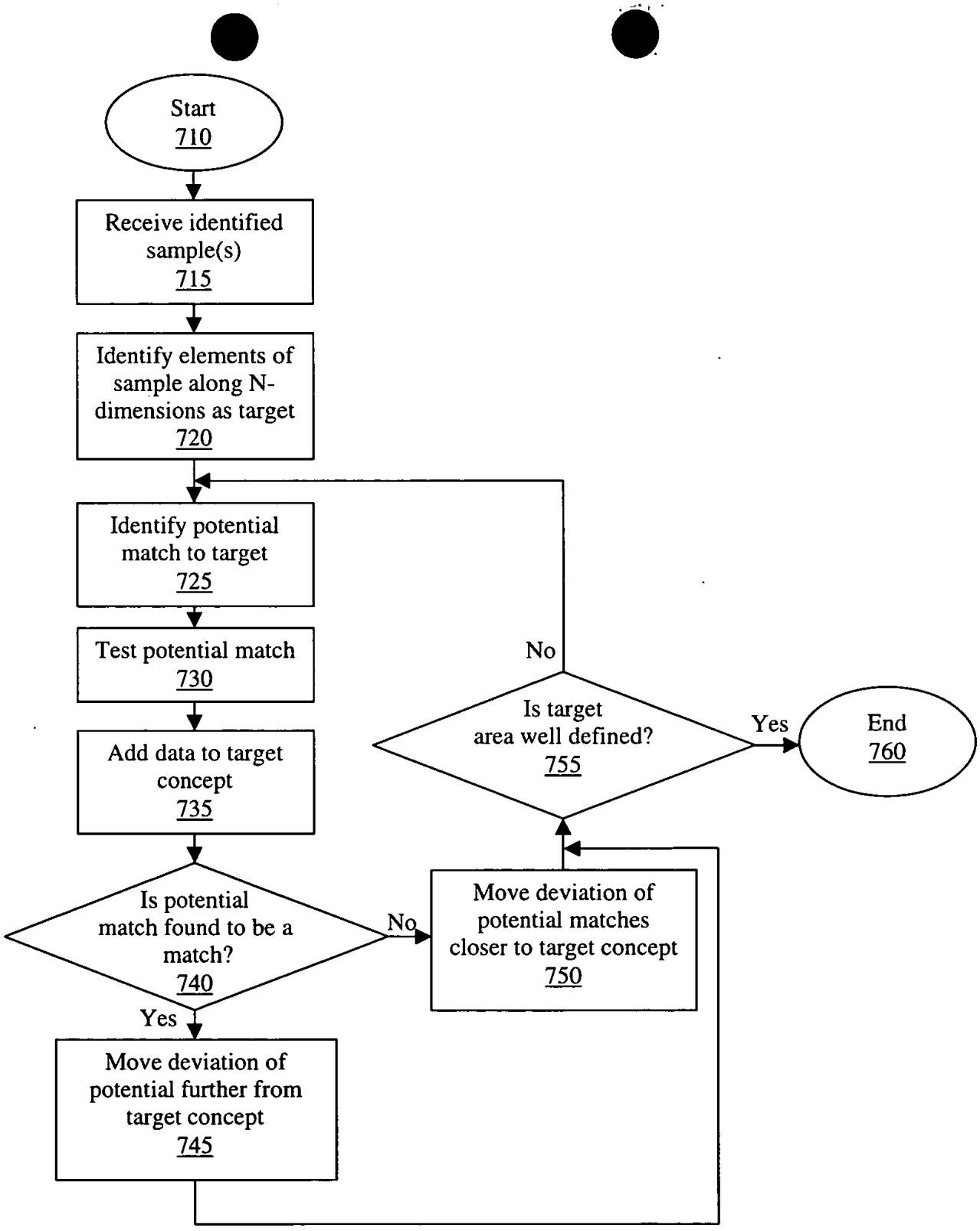
Start
710
Receive identified sample(s)
715
Identify elements of sample along N-dimensions as target
720
Identify potential match to target
725
Test potential match
730
Add data to target concept
735
Is potential match found to be a match?
740
No
Move deviation of potential matches closer to target concept
750
Yes
Move deviation of potential further from target concept
745
Is target area well defined?
755
No
Yes
End
760

Fig. 7A

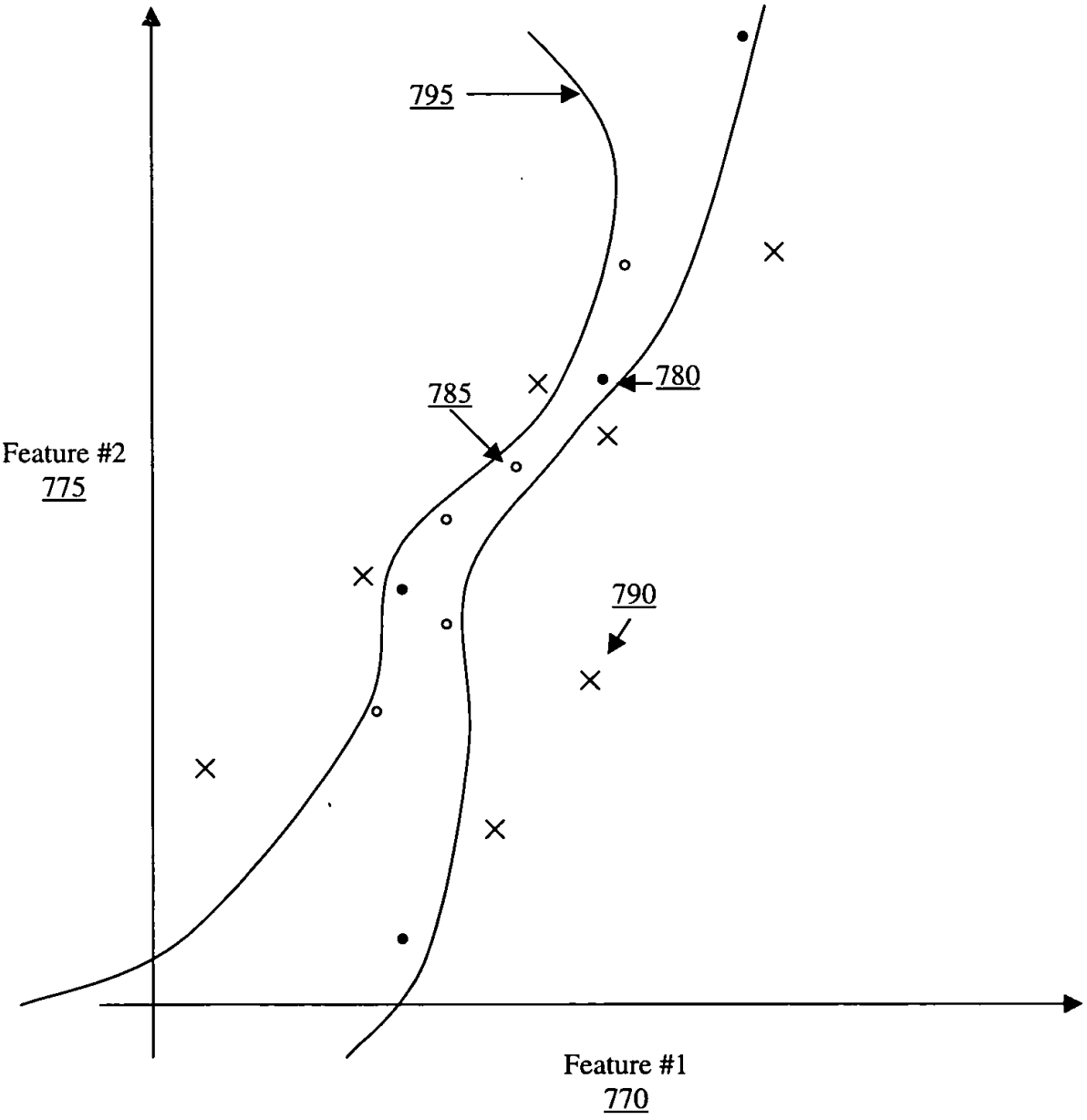

Fig. 7B

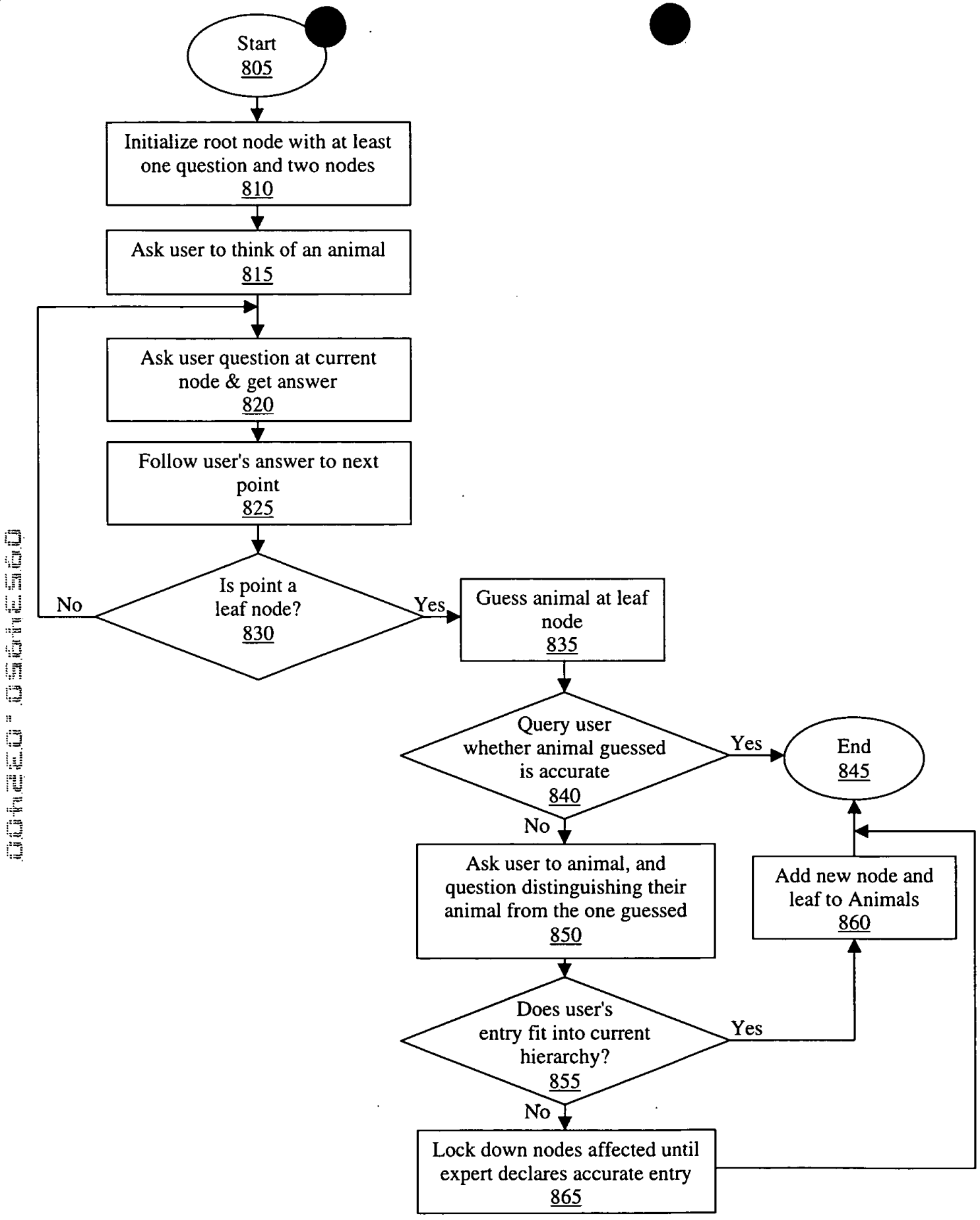
Start
805
Initialize root node with at least one question and two nodes
810
Ask user to think of an animal
815
Ask user question at current node & get answer
820
Follow user's answer to next point
825
Is point a leaf node?
830
No
Yes
Guess animal at leaf node
835
Query user whether animal guessed is accurate
840
Yes
End
845
No
Ask user to animal, and question distinguishing their animal from the one guessed
850
Add new node and leaf to Animals
860
Does user's entry fit into current hierarchy?
855
Yes
No
Lock down nodes affected until expert declares accurate entry
865

Fig. 8A

Open Mind *Animals* (Stork & Lam, 00)

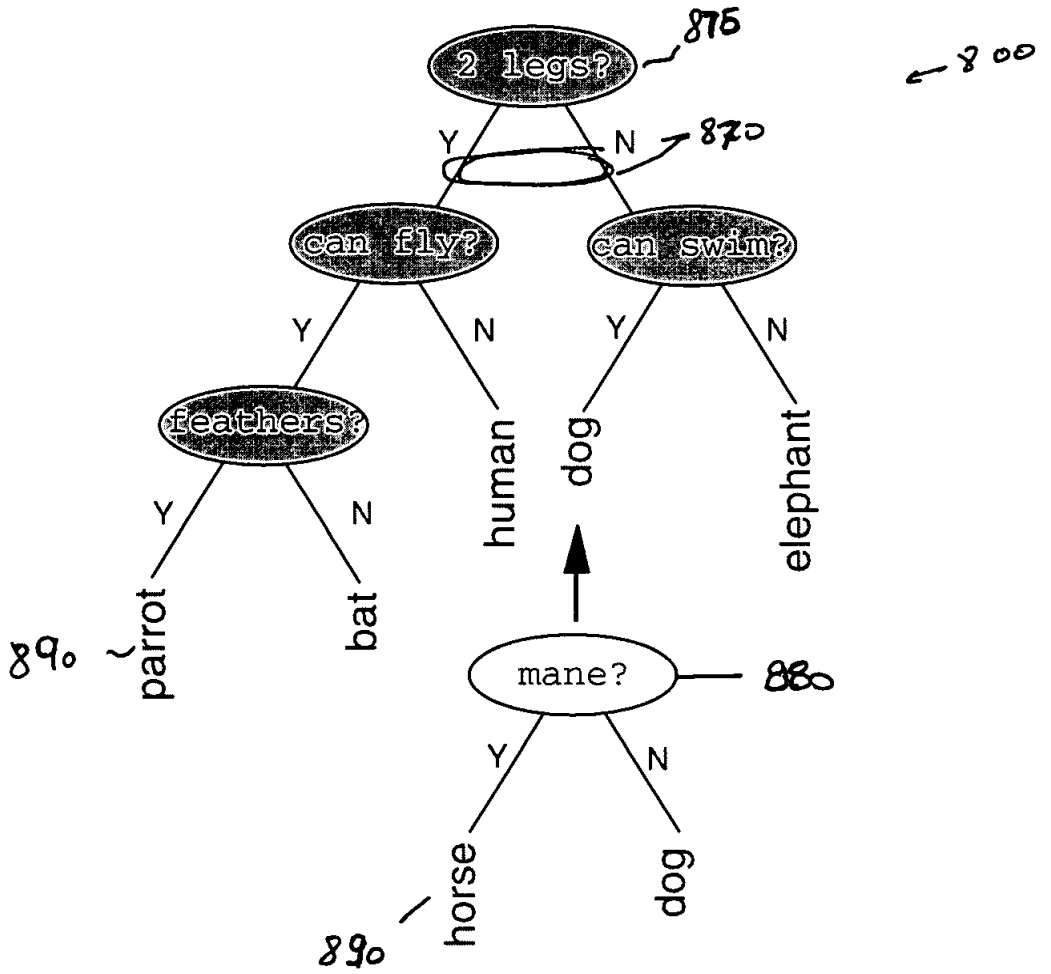

FIG. 8B

OCR example

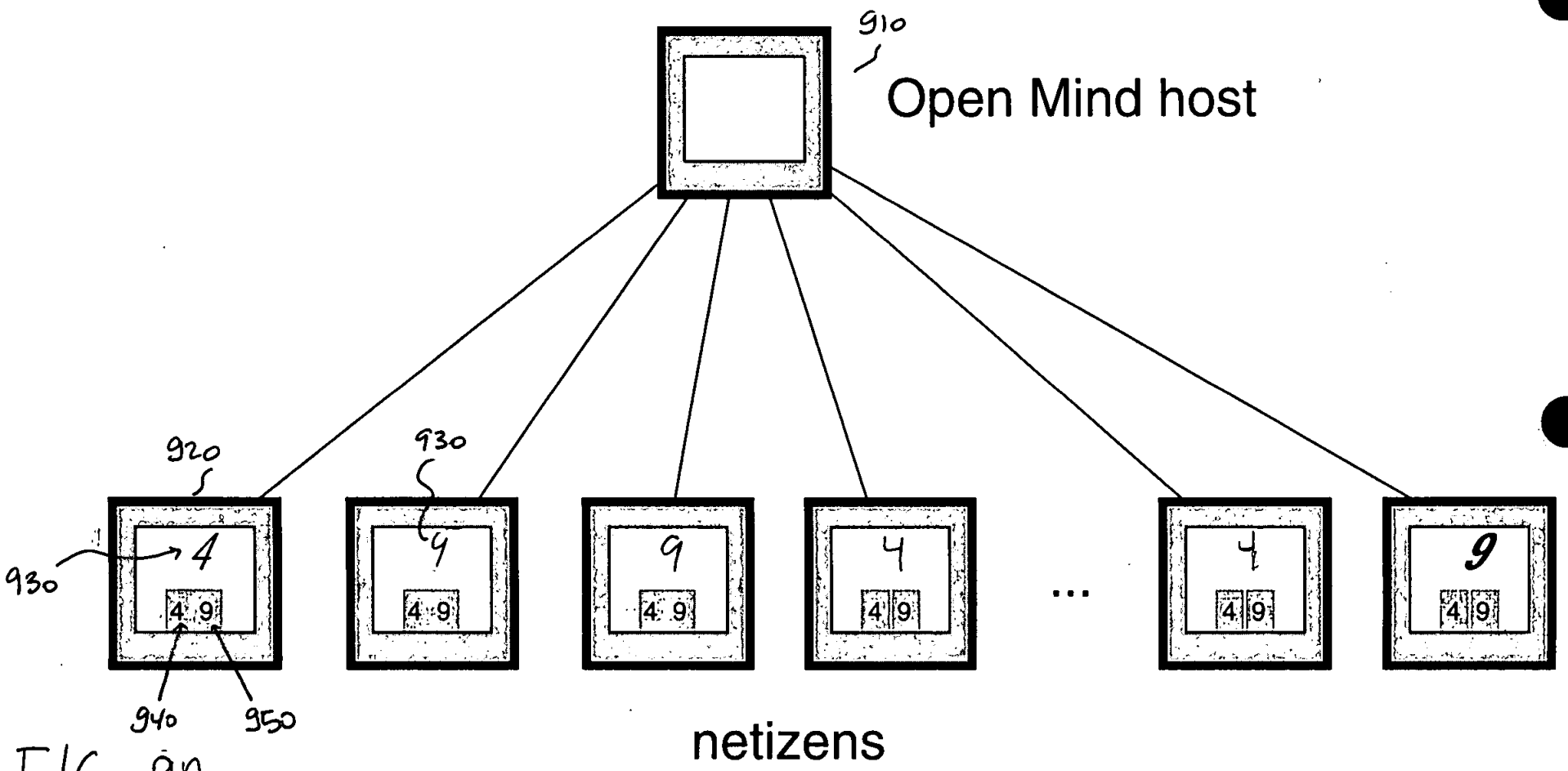

FIG. 9A

OPEN MIND handwritten OCR

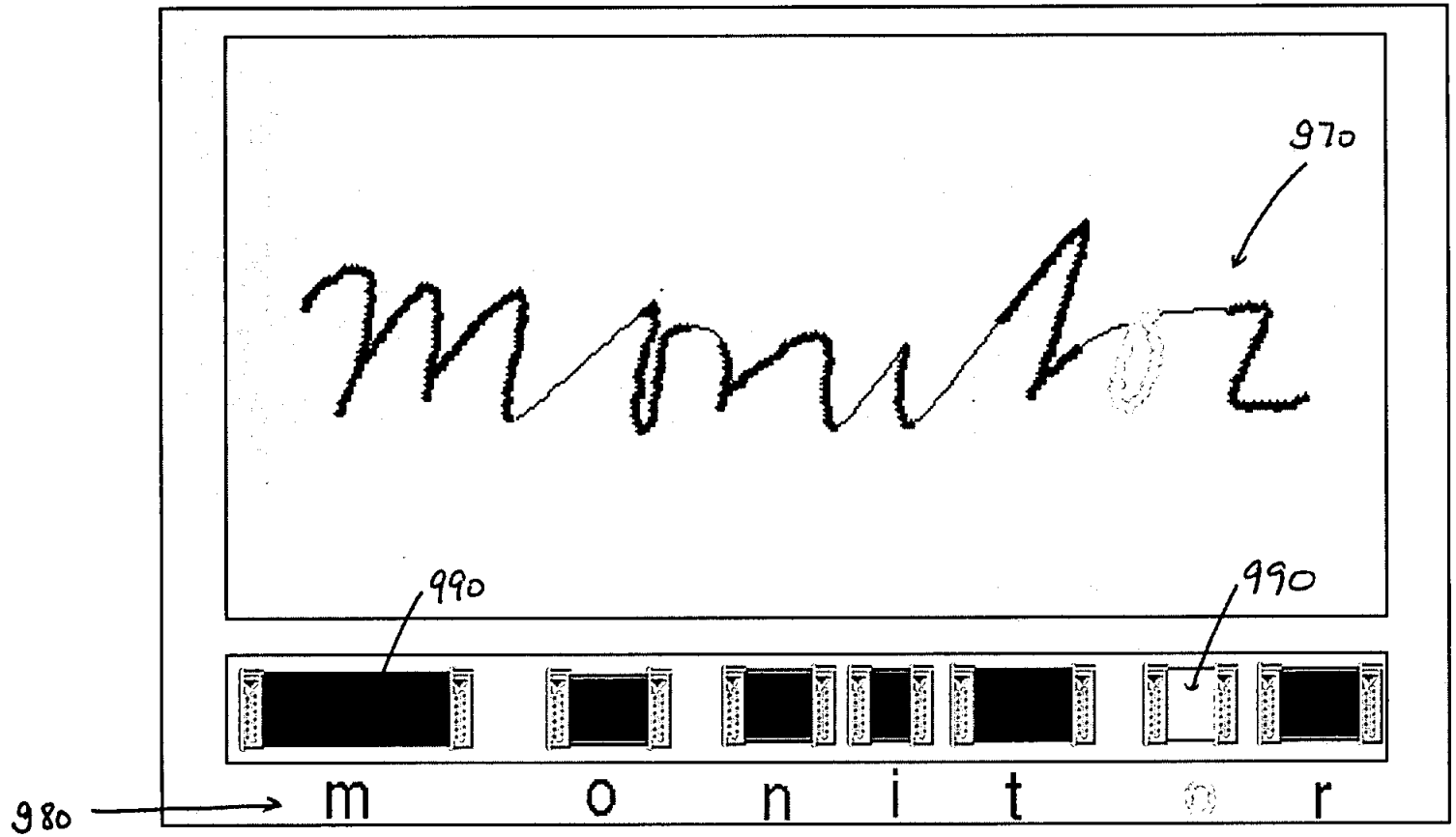

FIG. 9B

collecting labels of isolated phonemes

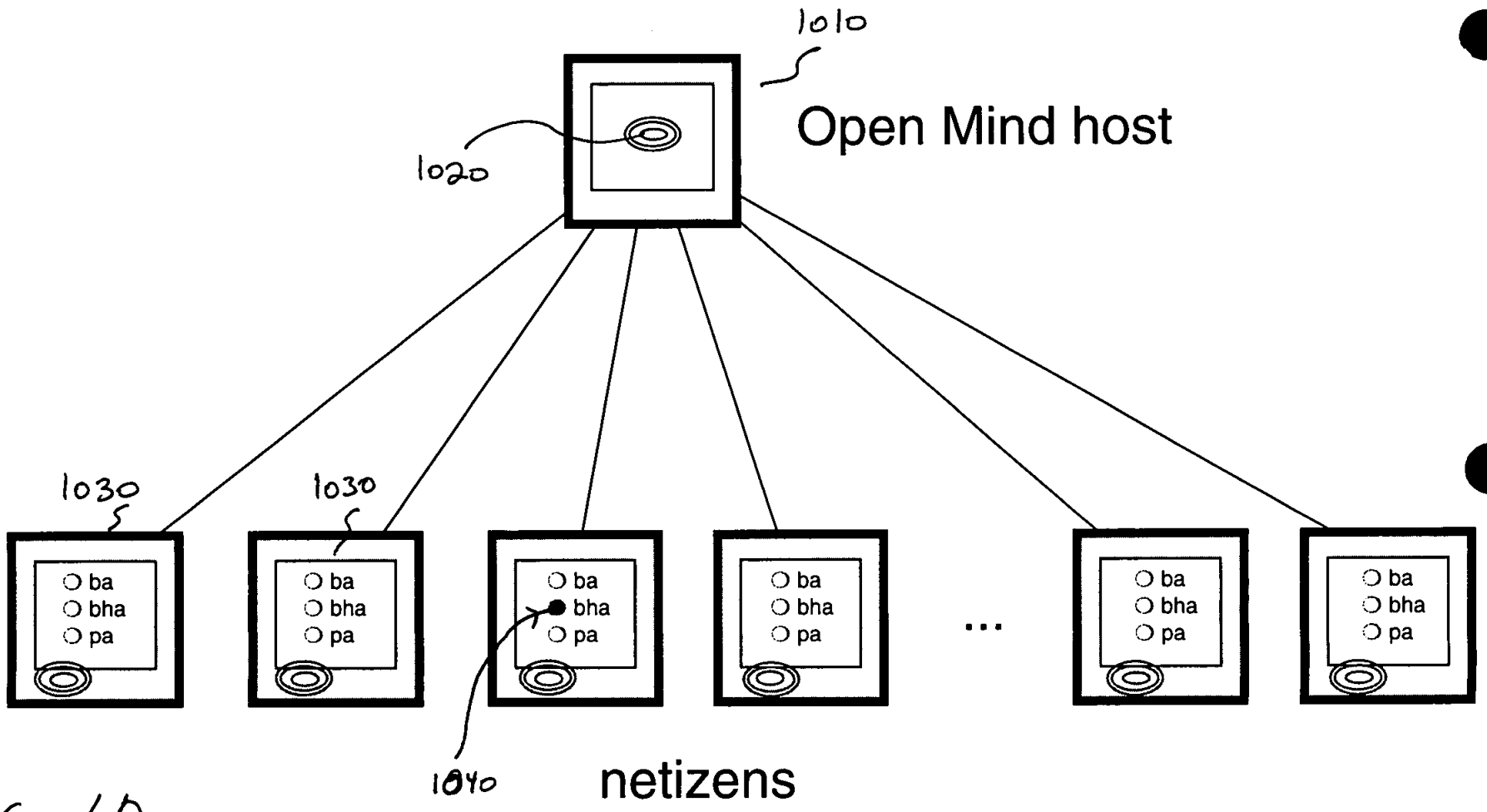

FIG. 10